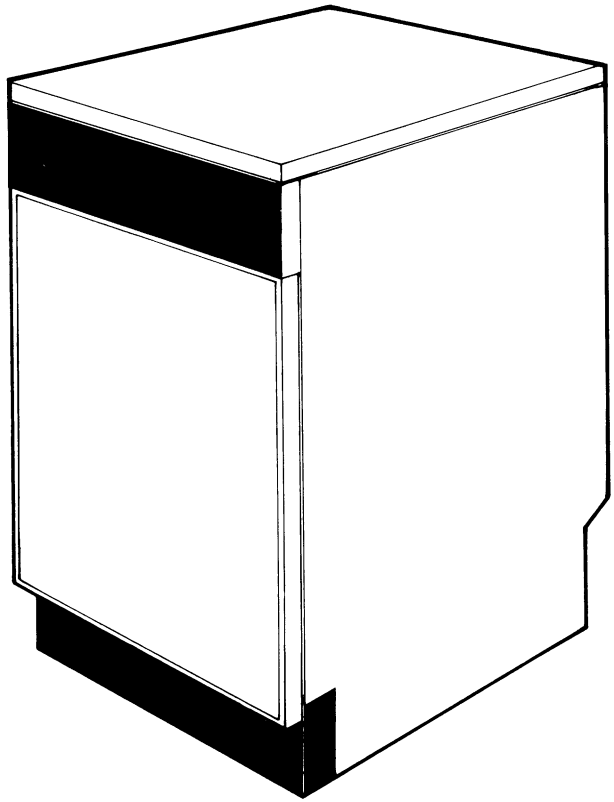
INSTRUCTIONS FOR THE USE AND CARE OF ZANUSSI DISHWASHERS



MODEL No DS 20 TCR/A

ZANUSSI

The appliance of science

It is most important that this instruction book should be retained with the appliance for future reference. Should the appliance be sold or transferred to another owner, or should you move house and leave the appliance, always ensure that the book is supplied with the appliance in order that the new owner can be acquainted with the functioning of the appliance and the relevant warnings.

Dishwasher warnings

THESE WARNINGS ARE PROVIDED IN THE INTEREST OF SAFETY. YOU MUST READ THEM CAREFULLY BEFORE INSTALLING OR USING THE APPLIANCE.

Unplug the appliance and turn off the water after use.

Any plumbing work to install this appliance should be carried out by a qualified plumber or competent person.

Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

This appliance is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the products.

This product should be serviced by an authorised Zanussi Network Service Centre, and only genuine Zanussi spare parts should be used.

It is dangerous to alter the specifications or modify the product in any way.

Care must be taken to ensure that the appliance does not stand on the electrical supply cable.

Zanussi dishwashers are designed to be used for washing normal household utensils. Items that are contaminated by petrol, paint, steel or iron debris, corrosive, acidic or alkaline chemicals are not to be washed in a dishwasher.

When finishing loading or unloading close the door, as an open door can be a hazard.

If your house is fitted with a water softening unit, it is not necessary to add salt to the water softening unit in the dishwasher.

Do not put in your dishwasher: Cutlery with wooden or horn handles or glued parts, bronze cutlery, saucepans with wooden handles unless they are sold as dishwasher proof, aluminium ware, crystal ware, leaded glass, plastic articles unless sold as dishwasher proof, antique china or fine decorated china unless sold as dishwasher proof. Always check with the manufacturer of the item if in any doubt.

A chemical reaction can occur between silver cutlery and stainless steel cutlery. As a precaution do not wash together.

Under no circumstances should you open the door whilst the appliance is in operation. Always turn off the appliance before opening the door.

Care should be taken when cleaning the bottom door seal and hinge area as any exposed metal edges may cut if care is not observed.

Built-in dishwashers only: The appliance must be secured to the underside of the worktop using the brackets provided. Failure to do this could result in an unstable appliance which may cause damage or injury.

Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or more serious malfunctioning. Refer to your local Zanussi Network Service Centre. Always insist on genuine Zanussi spare parts.

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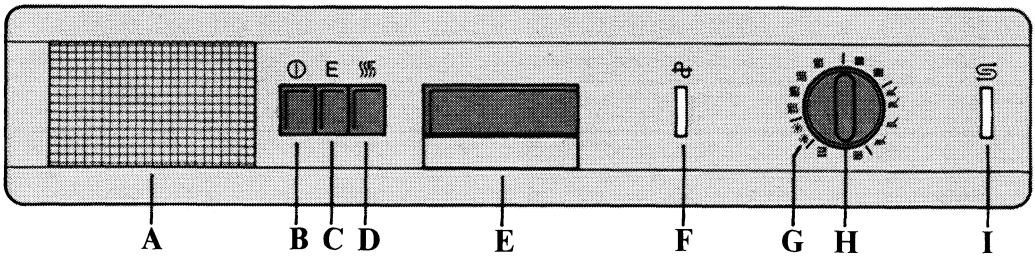
Please note that the specifications of your appliance may differ slightly from those shown in this leaflet.

Specifications

	DW 20
Width	450mm 17.7"
Overall depth	570mm 22.4"
Overall depth with door open	1200mm 47.2"
Height	850mm 33.5"
Capacity (IEC place settings)	8
Supply voltage	220/240V 50Hz
Motor rating During washing	200W
Heater element	2570W
Maximum power absorbed	2770W
Water supply pressure Minimum	7psi 49kN/sq.m.
Maximum	110psi 758kN/sq.m.

Door Decor panel size

Width	Height	Thickness
436mm	592mm	4mm (max)



A - Programme guide
B - On/Off button
C - Economy wash button
D - Economy drying button
E - Door handle
F - Mains on indicator
G - Wash cycle phase indicator
H - Programme Selector
I - Salt refill indicator

Please note that the external appearance of your appliance may differ slightly from that shown in the instruction book.

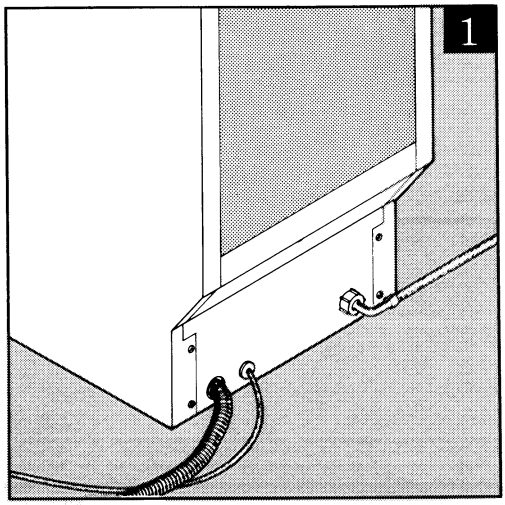
Installation

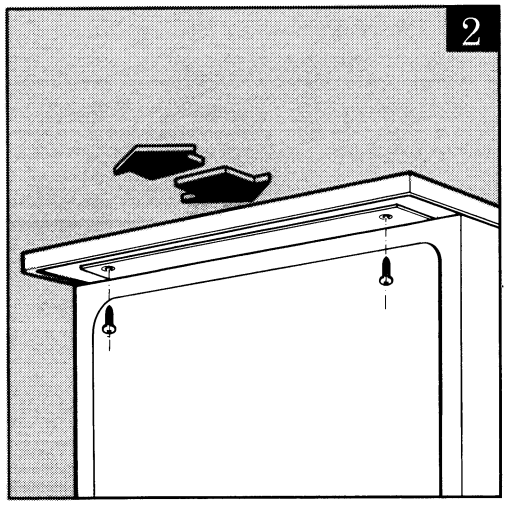
Positioning

Apart from the need to position your dishwasher close to an existing water supply and waste outlet — long runs of new piperwork can be expensive — you can put it almost anywhere you please; either on its own, or incorporated into a run of «standard» metric kitchen units. If you choose the latter option, you will find that the machine has a number of useful features making it easier to blend in with the units.

Firstly, the machine can be set hard against walls and adjacent units — there is no need to leave a gap all round, and the dishwasher features fill and drain hoses which can be turned to the right or left to suit the installation (see fig. 1).

Secondly, the integral worktop may be adjusted by up to 25 mm (1 inch), either forwards or backwards, to align it with any adjacent units' worktops. To do this, simply remove the screws from the brackets beneath the worktop's front lip (see fig. 2), make the desired re-alignment,





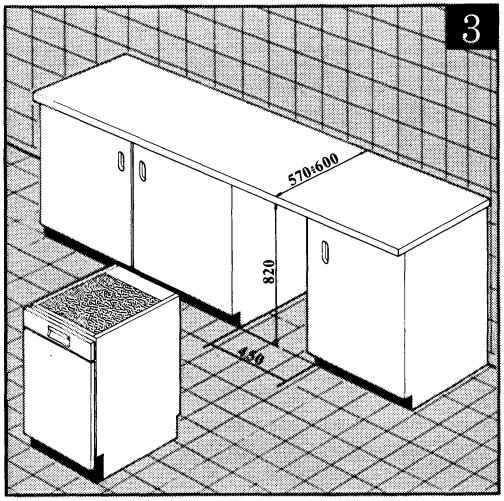
and replace the screws to fix the worktop in place.
Alternatively, if you prefer to install the machine beneath an existing worktop, the machine's integral worktop can be removed merely by removing the front securing screws as above, and releasing the worktop from its rear catch. This done, the dishwasher will fit into a recess of the dimensions given in figure 3.

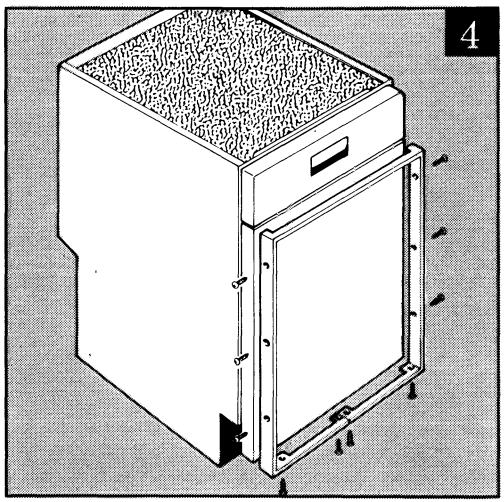
Important
Please ensure that when the appliance is installed it is easily accessible for the engineer in the event of a breakdown.

Building-in instructions

Fitting «decor panel»
To give the dishwasher a completely «built-in» look, the door can be covered with a sheet of plastic laminate (you must provide this yourself) to match the doors of adjacent units.

To fit this «decor panel», remove the metal trim screwed to the door, fit the covering sheet of plastic laminate, and clamp it in position by replacing the metal trim.
Please note: the decor panel should be fitted **before** building the appliance in.





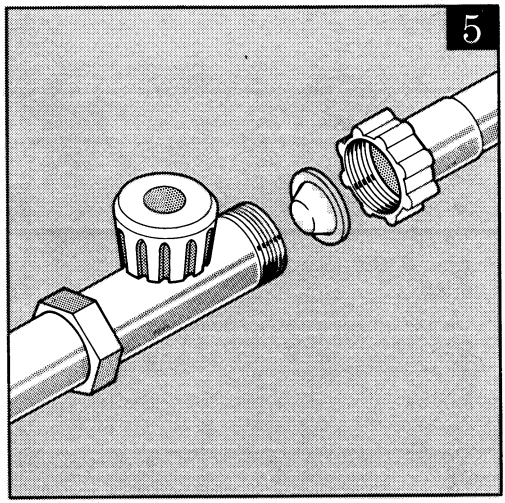
Water supply connections

The dishwasher must be plumbed into a cold water supply and it is preferable for it to be permanently plumbed in.

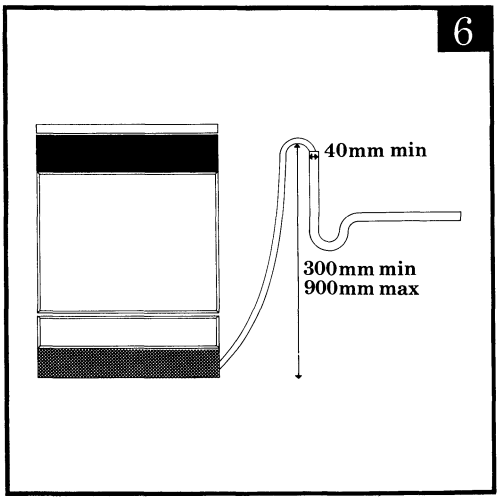
The water pressure must be within the limits given in the technical data, as it will not function correctly if the pressure is outside these specifications.

Your local Water Authority will advise you on the average mains pressure in your area. Where the water is supplied via a cold water storage cistern, you can work out the pressure yourself by measuring the vertical distance (or «head») between the machine's inlet hose and the outlet from the cold water storage cistern, allowing roughly 1 psi for every 2 feet.

As to the making of the connection itself, the coupling nut fitted to the machine's supply hose is designed to screw onto either a 3/4 inch gas thread spout, or to a purpose made quick-coupling tap such as the Press-Block. To make this easier, the hose itself may be turned to the right or left. In either case, be sure to incorporate the strainer supplied with the machine onto the joint (fig. 5).



Waste connections
Care must also be taken over the disposal of the waste water from the machine. If your dishwasher is not to be permanently «plumbed in», merely hook the curved end of the drain hose firmly over the edge of the kitchen sink, having made sure that the sink is empty, and that the waste outlet is not blocked.
Otherwise, fit a P-trap and stand-pipe assembly like that in figure 6 (ensure the pipe has an internal diameter of at least 38 mm (1½ ins), and hook the drain hose into that). In this case ensure that there is an air gap between the hose and the inside of the pipe to prevent the risk of dirty water being syphoned back into the machine, and check that the top of the stand-pipe is between 300 and 900 mm above floor level. In addition, make sure that the stand-pipe/trap assembly discharges into the same soil system as the kitchen sink.
With the machine in its permanent position, do check that the drain hose is not kinked, or squashed in such a way as to obstruct the flow of water.
Do not extend the drain hose.



Electrical connections

WARNING: THIS APPLIANCE MUST BE EARTHED. The manufacturer declines any liability should this safety measure not be observed.
If the plug that is fitted to your appliance is not suitable for your socket outlet, it must be cut off and the appropriate plug fitted.
The cut off plug should be disposed of to prevent the hazard of electric shocks in case it should be plugged into a 13 Amp socket in another part of your home.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:
GREEN AND YELLOW - EARTH
BLUE - NEUTRAL
BROWN - LIVE

If you fit your own plug, the colours of the wires in the mains lead of your appliance may not correspond with the markings identifying the terminals in your plug, this is what you have to do:
Connect the green and yellow (earth) wire to the terminal in the plug which is marked with the letter «E» or the earth symbol ⏚,or coloured green, or green and yellow.
Connect the blue (neutral) wire to the terminal in the plug which is marked with the letter «N» or coloured black.
Connect the brown (live) wire to the terminal which is marked with the letter «L» or coloured red.

The plug moulded on to the cord incorporates a fuse. For replacement use a 13 Amp BS 1362 fuse. Only ASTA approved fuses should be used.
The fuse cover/carrier must be replaced in the event of changing fuse.
The right fuse cover/carrier colour is the one shown by the coloured insert at the base of the plug or is the colour of the inscription at the base of the plug.

The plug must not be used if the fuse cover/carrier is lost.

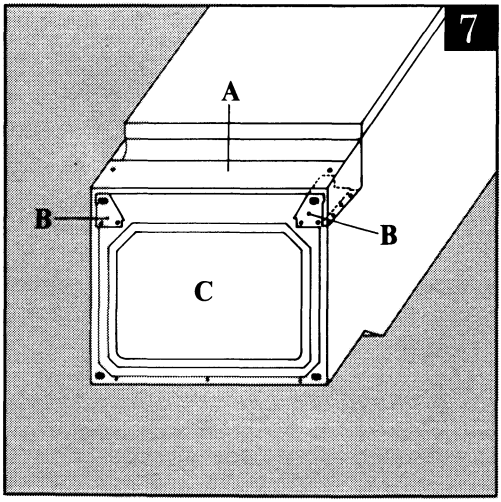
A replacement cover/carrier must be obtained from Zanussi Service Agents whose addresses are listed on the attached «Zanussi Service and Spares Nationwide».

THIS APPLIANCE COMPLIES WITH E.E.C. DIRECTIVE NO. 82/499 OF 7.6.82 RELATIVE TO RADIO INTERFERENCE SUPPRESSION.

Replacement of electric cable (Fig. 7).

To replace the electric cable proceed as follows:
1. Lay the machine on its back.
2. Remove the plinth A by unscrewing the four fixing screws.
3. Remove the brackets B supporting the feet by unscrewing the three fixing screws.
4. Remove the base C by unscrewing the seven fixing screws.

Replace the electric cable.



User instructions

Getting to know your machine

Controls and How to Use Them (see diagram page 6)

B On/Off Button
Press to start, press to switch off.

C Economy Wash Button
This allows you to select a high or low water temperature. The water will normally heat up to 65 °C which is the temperature required for energetic wash programmes (see Wash Programmes page 22). If one of the gentle programmes is required, press the button and the water will heat up to 55 °C only.
Press the button to release the switch and return to normal (65 °C).

D Economy Drying Button
Press this button to reduce the drying temperature from 65 °C to 50 °C. Please note that the crockery will take longer to dry than normal.

E Door Handle

F Mains-on Indicator
This light will come on when the On/Off button is pressed and the machine starts to operate. It will not go out until the switch is pressed to turn the machine off, once the dishwashing cycle has been completed.

G Wash Cycle Phase Indicator
(thick black line adjacent to letter C on dial).
The position of this line will correspond to a symbol on the fascia indicating the function being performed when the selected programme letter moves clockwise from the 12 o'clock position.

Depending upon programme selected the thick black line will advance until it reaches either one of the two stop positions marked on the fascia or the red line at the 12 o'clock position on the fascia.

e.g. If programme B is selected then the wash cycle phase indicator will be aligned with the symbol for main wash and will finish at the red line at the 12 o'clock position.

Prewash

Main wash

Quick wash

Cold rinse

Warm rinse

Hot air drying

H Programme Selector Dial
This is marked with the letters A,B,C,D and should be used in conjunction with the details given in the wash programme chart (page 22) and programme guide (A) on fascia of appliance.

To set the appliance to the chosen programme, turn the dial clockwise until the dot above the programme letter is exactly aligned with the red line on the fascia the 12 o'clock position.

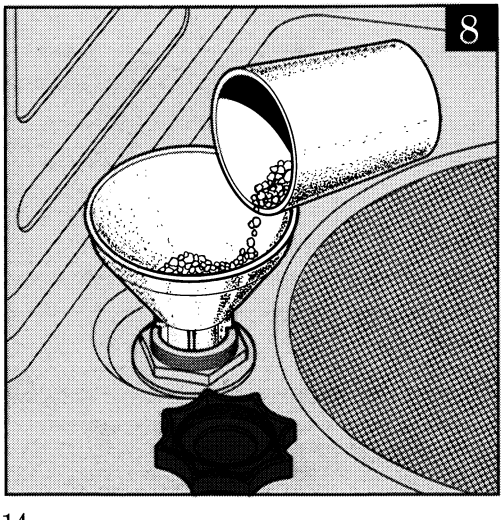
I Salt Refill Indicator
The indicator shows when the salt container needs refilling (see page 14).

Using your machine

Open the machine by pulling the handle outwards.
To close the door push it back until you feel it clicks.

Water Softening

The dishwasher has a completely automatic water softener fitted to it and you only need to refill salt container with coarse salt after approximately 40 washes.
The water softener stops limescale and mineral salts from entering the wash water thus preventing whitish marks appearing on the crockery.
Softened water improves the cleaning action and, after rinsing, the crockery and glassware should look clean and shining.



Filling the Salt Container

Prior to using the dishwasher for the first time it is necessary to fill the salt container with water in order that the initial loading of salt is dissolved.
To do this open the door and slide out the bottom basket. Unscrew the cap in the base of the dishwasher (fig. 8) and, using the funnel supplied fill the salt container with water. Next (again using funnel) pour into the same container 1 Kg (2 lb) of coarse salt.
Replace the cap making sure that there is no trace of salt on the thread of the screw or on the gasket. Screw the cap on tightly.

Use only coarse salt (which is often available from garden centres) or salt sold specifically for dishwashers.
Always refill the container immediately before starting a complete wash cycle, (not before Rinse and Hold) so that any salt granules or salt water which may flow out of the container (which will always have some water in it) during the refilling will not remain on the bottom of the tub without being properly diluted.

Salt Refill Indicator

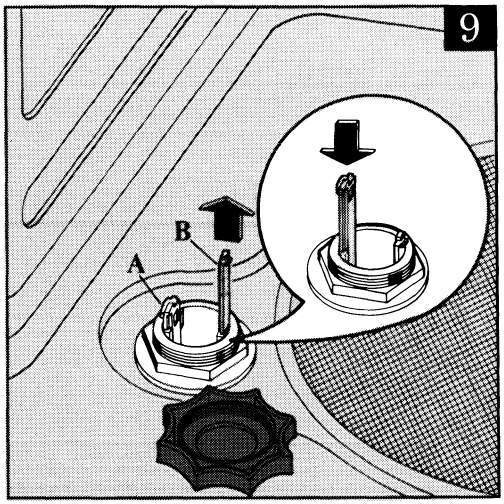
This model features a refill indicator on the control panel. When it lights up, which will be approximately every 40 washes, the water softener needs refilling with salt.

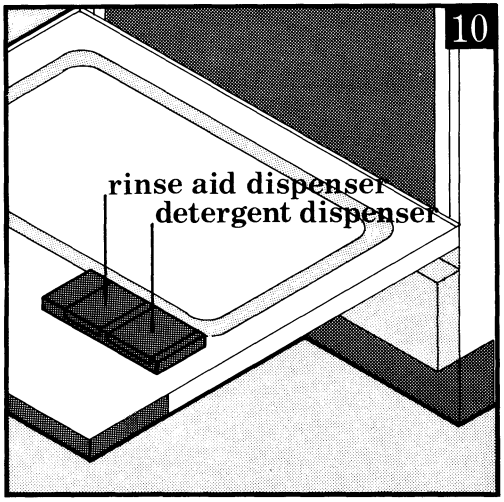
Adjusting the Water Softener
Water hardness will vary according to the area in which you live. The more limestone and mineral salts your water contains, the harder it will be. Ask your local Water Board to tell you the degree of water hardness in your area.

This appliance is fitted with Water Hardness Adjusters which the user may adjust to suit his or her own needs. Fitted inside the Water Softening Unit are two coloured bars: a red one and a white one.

The white bar is for water with a soft-to-medium degree of hardness, which measures up to 22 Clarke degrees. The red bar is for area with very hard water measuring from 22 Clarke degrees to 34 Clarke degrees. The white bar is fitted in an active position and the red bar is fitted in a storage position to prevent it from getting lost.

They slide in and out and are easily interchanged. (Fig. 9).





Rinse Aid
This special liquid is essential for good results. It ensures quick drying and shiny crockery and glass by helping the water to run smoothly off the items before the salts contained in the water can leave streaks and marks.

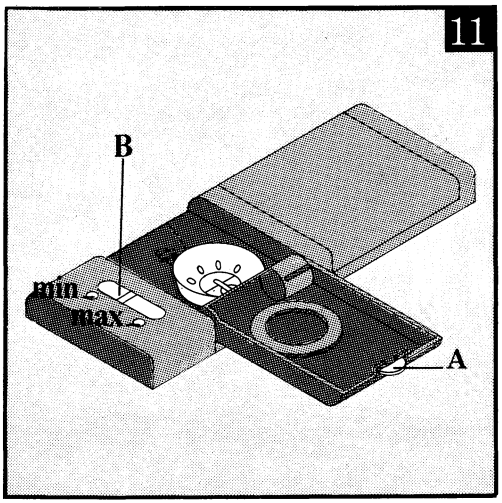
The rinse aid dispenser, which automatically dispenses the right amount of liquid at the right time, is located inside the door of the machine next to the detergent dispenser (see fig. 10).

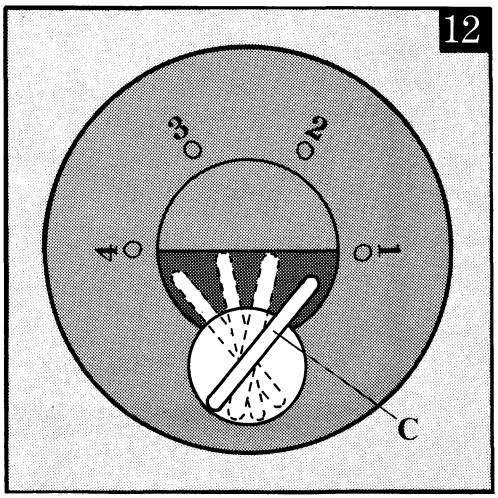
To fill the dispenser press the catch A (fig.11) to open the lid. Pour rinse aid into the funnel. The container holds approximately 110cc of rinse aid, which will last for about 20 wash cycles.
To the left of the dispenser there is an indicator which shows the level of liquid in the dispenser (B-Fig. 11).

Adjusting the Quantity of Rinse Aid
It may be necessary to adjust the quantity of rinse aid dispensed if you live in either a very hard or a very soft water district. More is needed for hard and less for soft water. Leave the dispenser at position 1 when you first use the machine and only adjust it if, after a few cycles you notice any of the following:

A
Crockery remaining dull looking and/or showing occasional round spots. If this is so increase the quantity of rinse aid by turning knob C (fig. 12) towards 4.

B
Crockery feeling sticky or showing whitish spots. If this is so decrease the quantity of rinse aid, by turning knob C (fig. 12) towards 1.

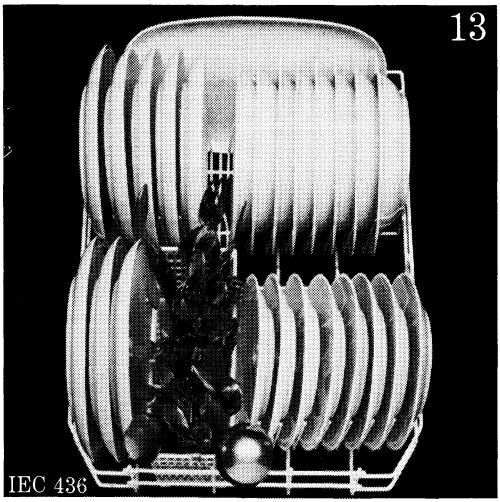


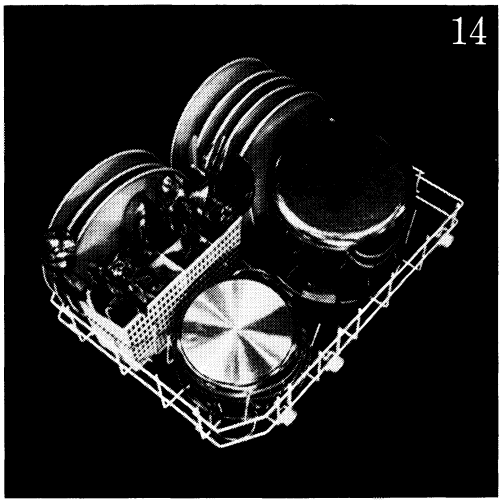


Loading the Machine

Most tableware, cutlery and cookware can be safely washed in the dishwasher.
Check the list on page 25 and do not put these items in the machine. Remove bigger scraps of food from the plates and dishes; eg small bones, fish bones, scraps of meat and vegetables — in fact anything that can be scraped off easily. This will prevent the filter from clogging. There is no need to rinse the crockery before putting it in the machine.

Open the door by pulling the handle outwards.
Slide each basket out to load it.
The lower basket is designed to take dinner plates (up to 27 cm — 10.6 ins — diameter), serving dishes, cooking bowls, pots, pans and cutlery. Cutlery should be put in the removable cutlery basket.
Mix spoons with knives and forks so that they will not stick together and prevent the jets of water cleaning them properly.
Unless your cutlery has very thin handles, put it in the basket with the handles downwards. If the handles are so thin that they stick through the bottom of the basket, load them with the handles upwards. The two diagrams (fig. 13 and 14) show how items can be arranged in the bottom basket.

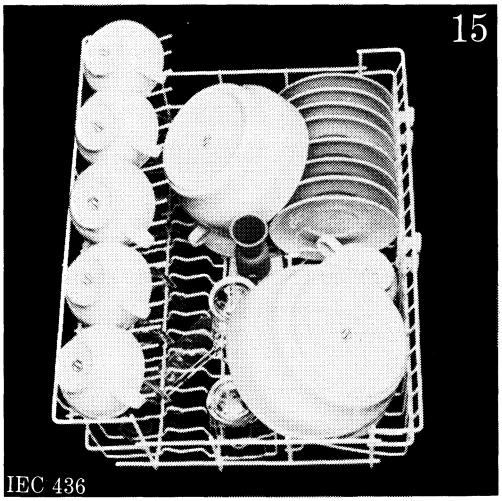




The top basket is designed to take dessert plates, tea plates, saucers, soup plates (up to 24 cm — 9.4 ins — diameter), serving dishes, cups, mugs and glasses. The two diagrams (fig. 15 and 16) show how items can be arranged in the top basket.

Important
Be absolutely sure not to load the crockery in such a way that it obstructs the water inlet funnel at the centre of the basket.

After loading make sure that the spray arm can turn freely.



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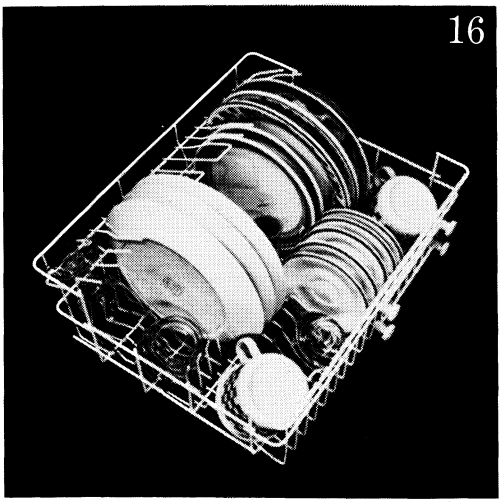
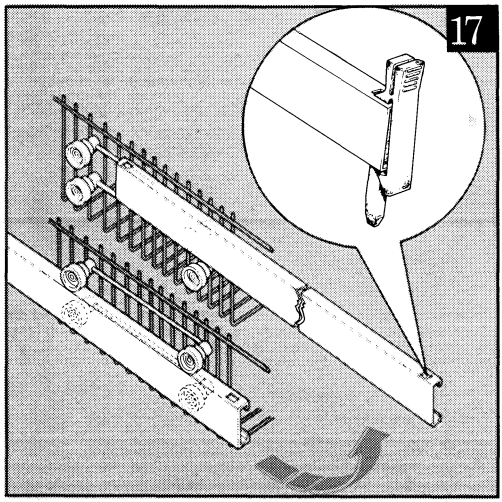
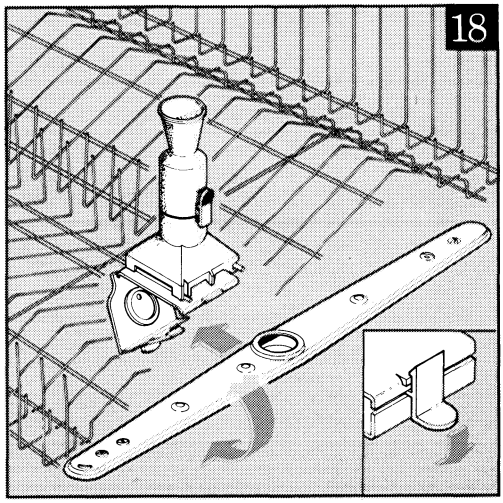


Top basket raising & lowering
If very big plates (over 27 cm and up to 31 cm diameter) are normally used, the top basket will have to be raised to the upper position. This will make it possible to properly arrange these extra large plates in the bottom basket.
To raise the top basket, remove the basket itself after taking off the front stops (fig. 17). Place the basket on the higher position and refit the front stops.

With the top basket on this upper position there is of course less loading clearance in the basket itself (which will in fact only take dishes up to 19 cm) and this will also prevent utilization of the basket's raised cup compartments.

Reversible spray arm
If a small load of heavy soiled crockery is to be washed, this can be placed only into the bottom basket. At the same time the upper spray-arm position should be reversed as per fig. 18.
To do so, unhook the upper spray-arm from the central support and re-fit it in a reverse position (holes on the bottom).
In this way the wash efficiency is improved, as the bottom basket is sprayed by both arms.
When the wash is completed, do remember to reset the upper arm to the original position (holes on the top).





Choosing the Right Detergent
Use only top quality detergent specially made for dishwasher.

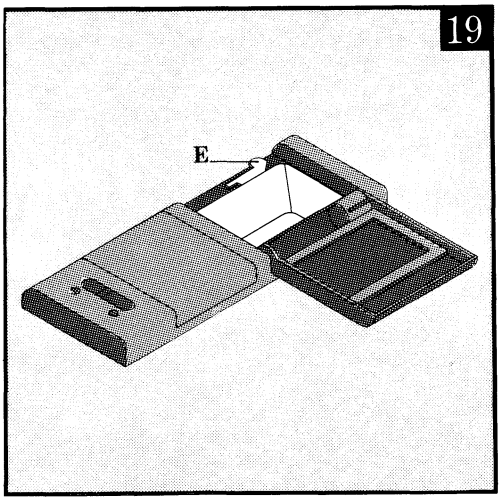
Filling with Detergent
Add the detergent after loading the machine. To do this open the detergent compartment on the inside of the door by pushing back the lid catch E (fig. 19). Pour the detergent into the compartment. Close the lid firmly. The detergent will be automatically dispensed at the right time.

Quantity of Detergent
This depends on the brand you use, on the degree of soil and the type of load.

Follow the directions on the powder packet.

As a guide use:
2 tsps (15 g) for normal loads
3 tsps (20 g) for heavily soiled load.

If you don't use enough powder the results will be poor, on the other hand too much powder will not improve results and will just be wasted. You will soon find out the right amount to add after using the machine for a few days.



Programme Selection

The chart on page 22 gives details of the programmes which your machine is designed to carry out. You will soon discover which programmes suit your type of washing up.

If you half load the machine and want to make up a full load later in the day after another meal, use the rinse and hold programme.

Starting the Machine

Turn on the water tap which supplies the machine. Make sure that the machine is plugged into the electric socket and that the switch (if any) is on.
Close the door of the machine firmly after loading it and adding the detergent.

Turn the programme selector knob clockwise until the index points exactly to the required programme letter.
If required, press the Economy wash button and/or Economy drying button.

Note
It is important to press the buttons in the order shown on the wash cycle chart.
The On/Off button must always be pressed last (see wash programmes).

Stopping the Machine
The machine will stop automatically at the end of the wash cycle, and you will see a white bar lined up with the red bar. The pilot light will remain on until the On/Off button is pressed.

To stop the machine during a wash cycle, press the On/Off button.

To restart the machine press the On/Off button again and the wash cycle will resume where it was interrupted.
At the end of a selected programme, the water and electricity supplies should be turned off to ensure complete safety when the machine is left unattended.
If the appliance is able to be operated on the Electricity Board's (Economy) system then you should turn off the water and electricity supplies as soon as possible upon completion of the selected programme.

Warning
Do not open the door while the machine is working. There is a safety device incorporated which automatically stops the machine if it is opened accidentally.

Washing programmes

Pro-gramme	Type of load and degree of soil	Recommended programme	Programme knob setting	Required push-button	Cycle description
1	Normally soiled crockery, pots, pans and cutlery, with a normal quantity of food scraps	Universal with prewash	A		Cold prewash / Main wash up to 65 °C / 1 cold rinse / 1 hot rinse / hot air drying
2	Normally soiled crockery, pots, pans and cutlery, with a reduced quantity of food scraps	Universal no prewash	B		Main wash up to 65 °C / 1 cold rinse / 1 hot rinse / hot air drying
3	Lightly soiled crockery, pots and cutlery	Economy with prewash	A		Cold prewash / Main wash up to 55 °C / 1 cold rinse / 1 hot rinse / hot air drying
4	Lightly soiled dishes and glasses with delicate decorations	Economy no prewash	B		Main wash up to 55 °C / 1 cold rinse / 1 hot rinse / hot air drying
5*	Lightly soiled crockery	Quick wash	D		Main wash up to 55 °C / 2 cold rinses
6	Partial load (to be completed later in the day)	Rinse & hold	C		Cold rinse to prevent food scraps from drying up and sticking to the dishes
		Economy drying			If you require this type of drying, depress the relevant button.

*Note: This is a special programme to wash in a short time (approx. 24 minutes) a full load of lightly soiled dishes, glasses and crockery (except pots) so that you may re-use them promptly. Due to the shortness of this programme, no drying phase is provided.

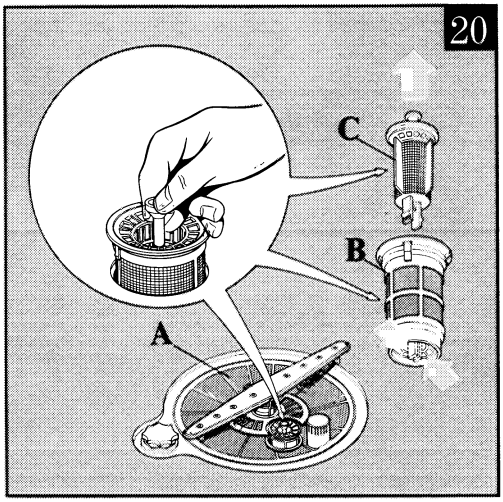
Taking Care of Your Machine

Important
Make sure that the machine is unplugged and the water turned off before undertaking any kind of maintenance.

Please note, when moving house make sure that the machine is not tilted too much during transport.

General Cleaning
Inspect the filters and spray arm nozzles before re-loading the machine and remove any food scraps. Wipe round the rubber gasket at the bottom of the door to remove grease which tends to collect there.

Cleaning the Filters
It is essential to clean the filter system regularly. It can easily get clogged with scraps of food which will cause the machine to work inefficiently.



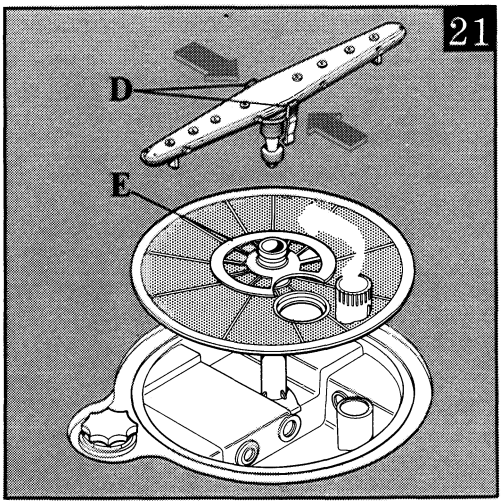
There are three filters (see fig. 20 below), one large circular fine-mesh filter (A) and two small cone-shaped ones (B & C).

Inspect, and if necessary clean, the cone shaped filters (C fits inside B) after each wash cycle. Remove them both by lifting the outer one (B) up.
Then remove the inner one (C) by squeezing the two plastic tongues at the bottom of the outer filter (B).
Remove any food scraps and clean thoroughly with a stiff saucepan brush and hot sudsy water.

The large fine mesh filter (A) is cleaned automatically during the wash cycle by two extensions on the bottom spray arm. These extensions direct two jets of water down the filter which wash any food debris into the conical filter where they are trapped. However the filter should be removed and thoroughly cleaned every now and then. To remove the filter (A), first take off the bottom spray arm by releasing the catches (D-Fig. 21) and lifting it up. Release the filter by turning the base of the spray arm in an anti-clockwise direction (E-Fig. 21), then lift it out.
Clean it with a stiff saucepan brush and hot sudsy water. Replace the filters and the spray arm making sure that all the parts are securely in position.

Important
Never use the dishwasher unless the filters and spray arm are firmly in the correct position.

Cleaning the Spray Arm Nozzles
The holes in the spray arm nozzles must be kept free of scraps for the efficiency of the washing action. Inspect the spray arms regularly. When thorough cleaning is necessary remove the bottom spray arm by releasing it from its securing catches and pulling it out (see fig. 20).
Wash the spray arm in hot sudsy water, using a stiff saucepan brush if necessary to remove scraps. Reassemble carefully, making sure the catches are secure.
To clean the top spray arm and nozzles, slide out the top basket, then unhook the spray arm from the central support (see fig. 18).
Remove and wash the parts as above. Reassemble the parts carefully.



Cleaning the Cabinet
Wipe the outside of the cabinet and control panel regularly with a soft damp cloth. When necessary use a liquid kitchen or household cleaner to remove bad marks, rinse with a damp cloth and rub up with a soft duster. Never use abrasive cleaners which could damage the surface.

Care should be taken when cleaning the bottom door seal and hinge area as any exposed metal edges may cut if care is not observed.

If the machine is not going to be used for some time take the following precautions:

Unplug the machine and turn off the water supply.

Fill up the rinse aid container.

Make sure that the tub is clean by carrying out the Rinse and Hold programme and then dry the inside thoroughly.

Leave the door ajar.

Making the most of your Machine

- Be careful always to load the racks correctly.
- It is more economical and efficient to wash a full load of crockery etc than a half one, even if you only have to do this once a day.
- Load the baskets immediately after clearing the table. If the crocks etc are greasy and there are not enough to justify doing a full cycle, set the machine to do the Rinse and Hold programme.
- Once the machine is full, select the correct programme and wash a load.
- If you have to buy more crockery, pots and pans check that they are «dishwasher proof». This will be marked on the crockery, on the packing material, or in the brochure or leaflet. If in doubt ask the retailer.
- Silver tableware and cutlery can be washed safely in the dishwasher but make sure it is not touching any stainless steel items. If it is, there could be a chemical reaction between the two metals caused by the oxidizing effect of soapy water resulting in spots on the silver.
As a precaution never put silver and stainless steel in the same basket.
- Saucepans and casseroles with burnt on food should be soaked before you put them in the machine and the worst of the soil should be removed as it soaks off.
- Saucepans and casseroles free of burnt on food can be machine washed very satisfactorily.

Do Not Put the Following in Your Dishwasher

- Cutlery with wooden or horn handles or glued parts.
- Saucepans with wooden handles unless they are sold as dishwasher proof.
- Aluminium ware.
- Crystal ware.
- Plastic articles unless they are sold as dishwasher proof - if you do not know don't risk it as the plastic may soften and the article will be distorted and spoiled.
- Fine decorated and antique china. Most modern china has what is known as underglaze decoration and this is usually dishwasher proof but you should always check. Old china and some modern fine china has overglaze decorations which can wash off in a dishwasher so don't take risks if you have not got the manufacturer's assurance.

Servicing

If, having followed these instructions carefully, your machine fails to work properly, contact your local Zanussi Service Network. Before you do that, though, it is worth making a few simple checks yourself.

If the machine won't start...

- Make sure the appliance is properly plugged in and that the socket switch is in the «on» position.
- Check that there is power in the socket, by plugging in an appliance which you know to be working - a small lamp for example. If this too fails to work, check the main circuit fuses in your home's consumer unit or the main fuse box.
- Make sure the water tap is fully open.
- Check that the door is firmly shut.
- Check that you have set the programme selector knob correctly and pressed the start button.

If the machine won't fill...

- Make sure tap and stop cock are turned on.
- Make sure the supply hose is not sharply bent.

If the machine won't drain...

- Check that the drain hose is not bent, blocked, or obstructed in any other way.
- Make sure that the filter is not clogged.

If the crockery does not come out clean...

- Make sure that you are using a detergent specially made for dishwashers.
- Make sure that you are using enough detergent.
- Check that you have loaded the crockery etc correctly.
- Check that the spray arms are able to turn freely and that the nozzles are not blocked or obstructed.
- Make sure that the filter is clean.

If you find the crockery streaked with lime deposits...

- Check that there is enough salt in the container.
- Check that there is enough rinse aid in the container.
- Make sure that the quantity of rinse aid being dispensed is sufficient (see page 16).

If you find traces of tea and coffee or lipstick left on the crockery...

- Make sure you are using enough detergent.

If you think that the crockery or cutlery has a salty taste...

- Make sure that the cap of the salt container is tightly screwed down.

If the machine vibrates badly or is too noisy...

- Check that the machine is absolutely level.
- Check that there is sufficient clearance between the machine and nearby walls, cabinets etc.

- **The crockery is not completely dry**

If the crockery remains in the machine for a long period of time after washing, condensation may occur on the inner walls of the dishwasher and on the crockery itself.

IN-GUARANTEE CUSTOMERS SHOULD ENSURE THAT THE ABOVE CHECKS HAVE BEEN MADE AS THE ENGINEER WILL MAKE A CHARGE IF THE FAULT IS NOT A MECHANICAL OR ELECTRICAL BREAKDOWN.

*** Please note that proof of purchase is required for any in-guarantee service calls.**

Peace of mind for twelve months

ZANUSSI STANDARD GUARANTEE CONDITIONS
This guarantee is in addition to your statutory and other legal rights which will not be excluded or in any way diminished by the return of this guarantee card.

We, Zanussi Ltd, undertake that if, within twelve months (36 months for TV sets) of the date of the purchase, this ZANUSSI appliance or any part thereof is proved to be defective by reason only of faulty workmanship or materials, we will, at our option, repair or replace the same FREE OF ANY CHARGE for labour, materials or carriage on condition that:

- The appliance has been correctly installed and used only on the electricity supply stated on the rating plate.

- The appliance has been used for normal domestic purposes only, and in accordance with the manufacturer's operating and maintenance instructions.

- The appliance has not been serviced, maintained, repaired, taken apart or tampered with by any person not authorised by us.

- The appliance is still in the possession of the original purchaser.

All service work under this guarantee must be undertaken by a Zanussi Network Service Centre (or the Zanussi Authorised TV Service Dealer).

Any appliance or defective part replaced shall become our property.

Exclusions
This guarantee does not cover:

- Damage or calls resulting from transportation, improper use or neglect, the replacement of any light bulbs or removable parts of glass or plastic.

- Costs incurred for calls to put right machines improperly installed or calls to machines outside the UK and the Republic of Ireland.

- Appliances found to be in use within a commercial environment, plus those which are the subject of rental agreements.

- Television receivers-routine adjustment, or poor reception resulting from a source outside of the receiver.

or five years

ZANUSSI 5 YEAR COVER CONDITIONS
For a once-only payment you can extend your Standard Guarantee to 5 years.
All the conditions and exclusions of the Standard Guarantee apply.

Notes
1. Products supplied as «seconds», refurbished, damaged or shop-soiled are not eligible for Zanussi 5 Year Cover.

2. The issue of a cover does NOT by virtue of our having done so, nullify the exclusions.

3. The Engineer will need to check the details of your Cover card and may make a charge for his services if it is not presented to him at the time of his call.

4. The date of purchase, or the date of initial payment (deposit) of the appliance will be deemed the date of commencement of cover.

5. Covers issued are not refundable or transferable.

Guarantee Record

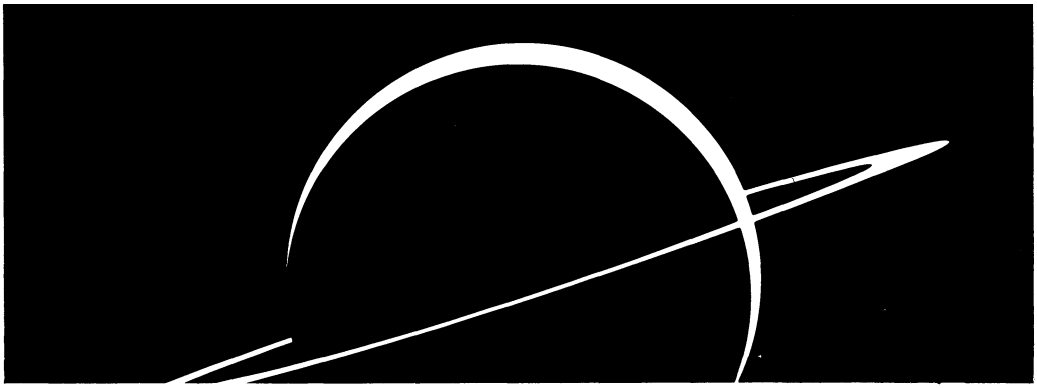
Appliance purchased from _____ on _____

Guarantee card no _____ Model no _____

Serial no _____ (These details may be taken from your Guarantee Record Card)

Your name _____

Address _____



ZANUSSI

The appliance of science

Zanussi Ltd., Zanussi House, Newbury.

The information in this manual is correct at time of going to press.
Zanussi reserve the right to alter specifications without notice.

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